JC20 Rec'd PCT/PTO 17 AUG 2005 IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named

Inventor:

Michel Chateau

Appln. No.:

To be Assigned

Filed:

August 17, 2005

Title:

METHOD FOR THE PRODUCTION OF EVOLVED

MICROORGANISMS WHICH PERMIT THE

GENERATION OR MODIFICATION OF METABOLIC

PATHWAYS

Examiner:

Group Art

Unit:

INFORMATION DISCLOSURE STATEMENT

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(Signature)

Sir:

Please make the references listed below and on the accompanying PTO Form-1449 of record in the above-identified application.

- U.S. Patent No. 6,368,793 to Hoch et al., April 9, 2002.
- U.S. Patent No. 5,344,767 to Boullais et al., September 6, 1994
- U.S. Patent No. 4,071,405 to Soda et al., January 31, 1978
- U.S. Patent No. 3,071,518 to Scherr et al., January 1, 1963
- U.S. Patent Application Publication No. 2002/177196 to Maier et al., November 28, 2002

International Patent Application Publication No. WO02/083892, October 24, 2002

International Patent Application Publication No. WO02/51231, July 4, 2002

International Patent Application Publication No. WO02/46451, June 13, 2002

International Patent Application Publication No. WO02/18613, March 7, 2002

International Patent Application Publication No. WO02/17112, September 2, 1993

European Patent Application EP 0 0699748, March 6, 1996

European Patent Application 0 519 113 A1, December 23, 1992

United Kingdom Patent Application GB 2174390, November 5, 1986

JC20 Rec'd PCT/PTO 17 AUG 2003

United Kingdom Patent Application GB 2 075 055 A, November 11, 1981

Japanese Patent Number JP2222692, September 5, 1990

Japanese Patent Publication Number JP 2000 157267, June 13, 2000

Database WPI Abstract No. 2000-485 354, XP-002265367, Week 200043, Derwent

Publications Ltd.

Database EMBL, Accession No. AF 220150, XP-002185277, January 17, 2001

Database EMBL, Accession No. KO1546, XP-002274156, June 13, 1985

Database EMBL, Accession No. 097CC7, XP-002274157, October 1, 2001

Arnold et al. (1997) "Optimizing Industrial Enzymes by Directed Evolution" in

Advances in Biochemical Engineering 58:1-14, Springer, Berlin

Flavin et al. (1967) Biochim. Biophys. Acta 132:400-405

Kase et al. (1975) Agr. Biol. Chem. 39:153-160

May et al. (2000) Nature Biotechnology 18:317-320

Nakamori et al. (1999) Appl. Microbiol. Biotechnol. 52:179-185

Smith et al. (1969) Biochim. Biophys. Acta 184:130-138

Weissbach et al. (1991) Molecular Microbiology 5:1593-1597

With the exception of U.S. Patents and U.S. Patent Applications, copies of the cited reference are enclosed. WO02/83892, JP2222692 and JP2000157267 are not in the English language, and are accompanied by English language abstracts. Certain of the foregoing references were cited in Search Reports for the French priority applications. Copies of the Search Reports are enclosed.

Respectfully submitted,

Date: August 17, 2005

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Enclosures 4848-3209-7024\1 Form PTO-1449 U.S DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO. 34076/US

February 18, 2004

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use several sheets if necessary) APPLICANT Michel Chateau

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FILING DATE

GROUP ART UNIT

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Inventor Name	Class	Sub- class	Filing Date (if appropriate)
	6,368,793	4/9/2002	Hoch et al.			
	5,344,767	9/6/94	Boullais et al.			
	4,071,405	1/31/78	Soda et al.			
	3,017,518	1/1/63	Scherr et al.			
	US 2002/0177196	11/28/2002	Maier			

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Sub- class	Translation
	WO 02/83892	10/24/02	International			
	WO 02/51231	7/4/02	International			,
	WO 02/46451	6/13/02	International			
	WO 02/18613	3/7/02	International	1 .		
	WO 93/17112	9/02/93	International		 	
	EP 0699748	3/6/96	Europe			
	EP 0519113	12/23/92	Europe			
	GB2174390	11/5/86	United Kingdom			
	GB2075055A	11/11/81	United Kingdom			
	JP2222692	9/5/90	Japan			
	JP 2000 157267	6/13/2000	Japan			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner Initial	Document Description					
	Database WPI Abstract No. 2000-485 354, XP-002265367, Week 200043, Derwent Publications Ltd.					
	Database EMBL, Accession No. AF220150, XP-002185277, January 17, 2001					
	Database EMBL, Accession No. KO1546, XP-002274156, June 13, 1985					
	Database EMBL, Accession No. 097CC7, XP-002274157, October 1, 2001					
	Arnold et al. (1997) "Optimizing Industrial Enzymes by Directed Evolution" in Advances in Biochemical Engineering 58:1-14, Springer, Berlin					
	Flavin et al. (1967) Biochim Biophys. Acta 132:400-405					
	Kase et al. (1975) Agr. Biol. Chem. 39:153-160					
	May et al. (2000) Nature Biotechnology 18:317-320					
-	Nakamori et al. (1991) Appl. Microbiol. Biotechnol. 52:179-185					
	Smith et al. (1969) Biochim. Biophys. Acta 184:130-138					
	Weissbach et al. (1991) Molecular Microbiology 5:1593-1597					

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